## Index of Claims

Application/Control No.

PREM C. SINGH

Applicant(s)/Patent under Reexamination

10/591,115 Examiner DUININCK ET AL.

√ Rejected
= Allowed

- (Through numeral)
- Cancelled

Non-Elected
I Interference

A Appeal
O Objected

1797

|          |          |               |          |          |          |          | J       |         |         |   |   |          |          |            |           |            |          | Į        |          |            |   |          |       |          |          |               |           | -,-      |           |            |           |           |           |
|----------|----------|---------------|----------|----------|----------|----------|---------|---------|---------|---|---|----------|----------|------------|-----------|------------|----------|----------|----------|------------|---|----------|-------|----------|----------|---------------|-----------|----------|-----------|------------|-----------|-----------|-----------|
|          |          | _             |          |          | _        | D - 1    | _       |         |         | _ | 1 | -        |          |            |           |            | _        |          | _        |            |   | _        |       |          | _        |               |           |          |           |            |           |           | -         |
| Cla      | aim      | ⊢             |          | _        |          | Dat      | e       | _       | _       | _ | ł | Cla      | im       | _          | _         | _          | 꾸        | ate      | _        | _          | - | $\dashv$ | Cli   | aim      | -        |               | _         | -        | ate       | -          | _         |           | $\dashv$  |
| Final    | Original | 2/12/09       |          |          |          |          |         |         |         |   |   | Final    | Original |            |           |            |          |          |          |            |   |          | Final | Original |          |               |           |          |           |            |           |           |           |
|          | 1        | V             |          |          |          | $\vdash$ | T       | Т       | т       |   | ĺ |          | 51       | $\neg$     | $\neg$    | $\neg$     | $\neg$   | $\neg$   |          | $\neg$     | Π | П        |       | 101      |          |               | ╛         | $\neg$   | $\neg$    |            | $\neg$    |           | ┑         |
|          | 2        | 7             |          | Т        | Г        | Т        | Т       | Т       | T       | Т | ĺ |          | 52       | $\neg$     | $\neg$    | $\neg$     | 7        | $\neg$   | $\neg$   | ╗          |   | П        |       | 102      |          | $\Box$        | ╛         | $\neg$   | $\neg$    |            | T         | $\neg$    | ┒         |
|          | 3        | V             |          |          |          |          | П       |         |         |   | ] |          | 53       |            | $\exists$ |            |          |          | $\Box$   |            |   |          |       | 103      |          |               | I         |          | $\Box$    |            | $\exists$ |           | $\Box$    |
|          | 4        | V             |          |          |          |          | $\perp$ |         |         |   |   |          | 54       |            | $\Box$    | $\Box$     |          |          |          | $\Box$     |   |          |       | 104      |          |               | $\exists$ |          | $\Box$    |            | $\Box$    |           |           |
|          | 5        | V             |          |          | ╙        | ╙        | ┺       | ┖       | ┖       |   | Į |          | 55       | _          | _         | _          | _        | _        | _        | _          |   | Щ        |       | 105      |          | ш             | _         | _        | _         |            | _         | _         | _         |
|          | 6        | V             |          |          | $\perp$  | ╙        | ╙       |         | ╙       |   | Į |          | 56       | _          | _         | 4          | _        | _        | _        | 4          |   | Ц        |       | 106      |          | $\perp$       | 4         | $\perp$  | _         |            | _         | 4         | _         |
|          | 7        | ٧             |          |          | ⊢        | ╄        | ╀       | ┡       | ⊢       | ┡ | Į |          | 57       | _          | _         | _          | _        | _        | _        | _          | _ | Ц        |       | 107      |          | $\vdash$      | 4         | _        | _         |            | _         | _         | _         |
|          | 8        | ٧             |          |          | -        | ╀        | ╀       | ╄       | ⊢       | _ | l |          | 58       | -          | -         | -          | -        | _        | _        | -          | _ | Щ        |       | 108      |          | $\vdash$      | 4         | -        | -         |            | -         | _         | -         |
|          | 9<br>10  | V             |          | _        | ⊢        | ⊢        | ╀       | ⊢       | ⊢       | H |   | $\vdash$ | 59<br>60 | -          | -         | $\dashv$   | -        | $\dashv$ | $\dashv$ | $\dashv$   | - | Н        |       | 109      |          | +             | $\dashv$  | -        | $\dashv$  | -          | -         | -         | $\dashv$  |
|          | 11       | v             |          | _        | Н        | +        | +       | ⊢       | ⊢       | ⊢ | ł | $\vdash$ | 61       | $\dashv$   | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | - | Н        |       | 111      | Н        | $\vdash$      | $\dashv$  | -        | $\dashv$  | -          | -         | $\dashv$  | $\dashv$  |
|          | 12       | V             | Н        | H        | Н        | +        | +       | +       | +       | ⊢ | 1 | Н        | 62       | $\dashv$   | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | - | Н        | _     | 112      | -        | +             | +         | $\dashv$ | +         | -          | +         | -         | $\dashv$  |
|          | 13       | v             |          | Н        | Н        | +        | ۰       | +       | 1       | Н | 1 | $\vdash$ | 63       | +          | +         | $\dashv$   | +        | $\dashv$ | $\dashv$ | $\dashv$   | - | Н        |       | 113      |          | Н             | +         | -        | $\dashv$  | -          | +         | $\dashv$  | $\dashv$  |
|          | 14       | V             |          | Н        | Н        | +        | +       | t       | +       | Н | ĺ | $\vdash$ | 64       | $\dashv$   | -         | $\dashv$   | -        | $\dashv$ | -        | $\dashv$   | - | Н        |       | 114      | Н        | $\vdash$      | +         | -        | $\dashv$  | -          | -         | +         | ۲         |
|          | 15       | Ť             | Н        | Н        | Н        | $\vdash$ | t       | t       |         | Н | ĺ | $\vdash$ | 65       | $\dashv$   | _         | $\dashv$   | +        | $\dashv$ | $\dashv$ | $\dashv$   | _ | Н        |       | 115      | Н        | Н             | +         | -        | $\dashv$  | -          | _         | 7         | $\dashv$  |
|          | 16       | -             |          |          |          | t        | t       | t       | t       | Т | i |          | 66       | ┪          | 7         | $\dashv$   | 7        | ┪        | $\neg$   | $\dashv$   |   | Н        |       | 116      |          | $\vdash$      | 7         | $\dashv$ | $\dashv$  |            | _         | _         | ⊣         |
|          | 17       | $\overline{}$ |          |          | -        | т        | $^{+}$  | т       | $^{-}$  | Т | ĺ |          | 67       | _          | $\neg$    | $\neg$     | $\neg$   | $\neg$   | $\neg$   | $\neg$     |   | П        |       | 117      |          |               | ┪         | $\neg$   | ┪         |            | $\neg$    | _         | ⊣         |
|          | 18       | $\vdash$      |          |          |          | т        | T       | Т       | т       |   | ĺ |          | 68       | $\neg$     | $\neg$    | $\neg$     | $\neg$   | $\neg$   |          | $\neg$     | Π | П        |       | 118      |          |               | ╛         | $\neg$   | $\neg$    |            | $\neg$    |           | ⊣         |
|          | 19       |               |          |          |          | т        | т       | Т       | т       | Т | ĺ |          | 69       | ╛          | $\neg$    | $\neg$     | $\neg$   | $\neg$   |          | $\neg$     | Π | П        |       | 119      |          |               | ┪         | $\neg$   | $\neg$    |            |           | $\neg$    | Т         |
|          | 20       | Т             |          |          | П        | Т        | т       | Т       | Т       | Г | ĺ |          | 70       |            | ┪         | T          | T        | $\neg$   | $\neg$   | T          | П | П        |       | 120      |          | $\Box$        | ╛         | $\neg$   | $\neg$    |            | T         | T         | П         |
|          | 21       | Т             |          | П        | П        | Т        | Т       | T       | Т       | Г | ĺ |          | 71       | T          | ┪         | T          | T        | $\neg$   | $\neg$   | T          |   | П        |       | 121      |          | $\Box$        | T         | $\neg$   | ╗         |            | ╛         | T         | Т         |
|          | 22       |               |          |          |          |          |         |         |         |   | ] |          | 72       |            |           |            |          |          |          |            |   |          |       | 122      |          |               | T         |          | $\exists$ |            |           |           | Π         |
|          | 23       |               |          |          |          |          |         |         |         |   | 1 |          | 73       |            |           |            |          |          |          |            |   |          |       | 123      |          |               | П         |          | П         |            |           |           | П         |
|          | 24       |               |          |          |          |          |         |         |         |   | ] |          | 74       |            |           |            |          |          |          | $\Box$     |   |          |       | 124      |          |               | $\Box$    |          | $\Box$    |            |           |           |           |
|          | 25       |               |          |          |          | ╙        | ┖       | L       | ┖       | Ш | Į |          | 75       | _          | _         | $\perp$    | _        | _        |          | _          |   | Щ        |       | 125      |          |               | _         | - 1      | _         |            |           |           |           |
|          | 26       | _             |          |          |          | _        | ┸       | ┖       | ┖       | _ | Į |          | 76       | _          | _         | _          | _        | _        | _        | _          |   | Щ        |       | 126      |          | ш             | 4         | _        | _         |            | _         | _         |           |
|          | 27       | ╙             |          |          |          | _        | ┸       | _       | _       | _ | Į |          | 77       | _          | _         | _          | _        | _        | _        | _          |   | Ш        |       | 127      |          | ш             | _         | _        | _         |            | _         | _         |           |
|          | 28       | ╙             |          | _        | ╙        | ╄        | ╄       | ╄       | ┺       | ╙ | Į |          | 78       | _          | _         | _          | _        | _        | _        | _          |   | Щ        |       | 128      |          | $\vdash$      | 4         | _        | _         | _          | 4         | _         | _         |
|          | 29       | ⊢             |          | _        | ⊢        | ⊢        | ╀       | ⊢       | ⊢       | ⊢ |   | $\vdash$ | 79       | -          | -         | -          | -        | -        | -        | -          | _ | Н        |       | 129      |          | $\rightarrow$ | 4         | -        | -         |            | -         | -         | _         |
|          | 30       | ⊢             |          | _        | ⊢        | ⊢        | ╀       | ⊢       | ⊢       | ⊢ | ł | $\vdash$ | 80       | -          | -         | -          | -        | $\dashv$ | $\dashv$ | -          | - | Н        |       | 130      |          | $\vdash$      | +         | -        | -         | _          | -         | -         | -         |
|          | 31       | ⊢             |          | _        | ⊢        | ⊢        | ╀       | ⊢       | ⊢       | ⊢ | ł | $\vdash$ | 81<br>82 | $\dashv$   | -         | $\dashv$   | -        | $\dashv$ | $\dashv$ | $\dashv$   | - | Н        | _     | 131      |          | +             | -         | -        | $\dashv$  | -          | -         | -         | -         |
| _        | 33       | ⊢             | Н        | _        | Н        | ⊢        | +       | +       | ⊢       | ⊢ | 1 | $\vdash$ | 83       | $\dashv$   | $\dashv$  | $\dashv$   | -        | $\dashv$ | $\dashv$ | $\dashv$   | - | Н        | _     | 133      |          | +             | -         | -        | $\dashv$  | -          | +         | +         | -         |
| _        | 34       | $\vdash$      | $\vdash$ | $\vdash$ | $\vdash$ | +        | ٠       | +       | +       | Н | 1 | $\vdash$ | 84       | -          | -         | -          | +        | $\dashv$ | $\dashv$ | $\dashv$   | - | Н        | -     | 133      | $\vdash$ | +             | +         | $\dashv$ | +         | $\dashv$   | $\dashv$  | +         | $\dashv$  |
| _        | 35       | $\vdash$      | $\vdash$ | -        | $\vdash$ | +        | ✝       | +       | +-      | Н | 1 | $\vdash$ | 85       | -          | -         | -          | -        | -        | $\dashv$ | $\dashv$   | - | Н        | _     | 135      | $\vdash$ | +             | +         | $\dashv$ | $\dashv$  | -          | -         | +         | $\dashv$  |
|          | 36       | $\vdash$      |          | Н        | $\vdash$ | +        | +       | t       | +       | Н | 1 | $\vdash$ | 86       | $\dashv$   | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   |   | Н        | _     | 136      | $\vdash$ | $\vdash$      | +         | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$  | +         | $\exists$ |
| _        | 37       | $\vdash$      | т        | Т        | Т        | $\vdash$ | t       | t       | 1       | т | ĺ | $\vdash$ | 87       | $\dashv$   | 7         | 7          | 7        | 7        | $\dashv$ | $\dashv$   |   | Н        | -     | 137      | $\vdash$ | $\vdash$      | 7         | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$  | 7         | 7         |
|          | 38       | т             |          | Т        | Т        | т        | T       | T       | т       | т | ĺ |          | 88       | $\neg$     | 7         | 7          | 7        | $\dashv$ | $\neg$   | 7          |   | Н        |       | 138      |          | $\vdash$      | 7         | $\neg$   | ┪         | _          | 7         | _         | т         |
| _        | 39       | $\vdash$      |          | Т        | 1        | T        | Т       | T       | 1       | Г | ĺ |          | 89       | 7          |           | 7          | _        |          | $\neg$   | 7          | П | П        |       | 139      |          | $\vdash$      | 7         | $\neg$   | ┪         |            |           | 7         | ╛         |
|          | 40       |               |          | П        |          |          | 1       | T       | Π       | Г | 1 |          | 90       | 7          | _         | _          | _        |          |          | _          |   | П        |       | 140      |          |               | 7         |          | $\neg$    |            |           |           | Т         |
|          | 41       |               |          |          |          | Τ        | Т       | Τ       | 1       |   | ĺ |          | 91       |            |           |            | _        | _        |          | ╗          |   | П        |       | 141      |          |               | 7         | ╛        | _         |            |           | _         | ╛         |
| $\equiv$ | 42       | L             |          |          | L        | L        | L       | L       | L       | L | ] |          | 92       |            |           |            | J        |          |          |            |   |          |       | 142      |          |               | _         | ╛        |           |            |           | J         |           |
|          | 43       |               |          |          |          |          |         |         |         |   | ] |          | 93       |            |           |            |          |          |          |            |   |          |       | 143      |          |               | I         |          | $\Box$    |            |           |           |           |
|          | 44       | L             |          |          |          | Г        |         | Г       | L       | L | Į |          | 94       | $_{\rm I}$ |           | $_{ m I}$  |          | $\Box$   |          | $_{\rm I}$ |   |          |       | 144      |          |               | _[        | T        |           | $_{\rm I}$ | I         | $_{ m I}$ |           |
|          | 45       | L             |          |          |          | L        | Г       |         | L       |   | ] |          | 95       | $\Box$     | $\Box$    | $_{\rm I}$ |          | $\Box$   |          | $_{\rm I}$ |   |          |       | 145      |          |               | I         |          |           | $\Box$     | $\Box$    | $\Box$    |           |
| _        | 46       |               |          |          |          | Г        | Г       |         |         |   | Į |          | 96       |            |           |            |          | _        |          |            |   | 口        |       | 146      |          |               | _[        |          |           |            | _         |           | _]        |
|          | 47       |               |          |          |          |          |         |         |         |   | l |          | 97       |            | _         |            |          |          |          | _          |   |          |       | 147      |          |               | _         | _        | _         |            | _         | _         | _]        |
| _        | 48       | _             |          | L        | L        | 1        | 1       | 1       |         | L | Į |          | 98       | _          | _         | _          | _        | _        | _        | _          | _ | Ц        |       | 148      |          | Ц             | 4         |          | _         |            | _         | _         | _         |
|          | 49       | ╙             |          |          |          | $\perp$  | $\perp$ | $\perp$ | $\perp$ | _ | Į |          | 99       | _          | _         | _          | _        | _        | _        | _          |   | Ц        |       | 149      |          | ш             | 4         | _        | _         |            | _         |           | _         |
|          | 50       | 1             |          |          |          | 1        | 1       | 1       | 1       | ı | 1 | 1        | 100      | - 1        | - 1       | - 1        | - 1      | - 1      |          | - 1        |   | ı        |       | 150      |          | 1             | - 1       | - 1      |           |            | - 1       |           | - 1       |